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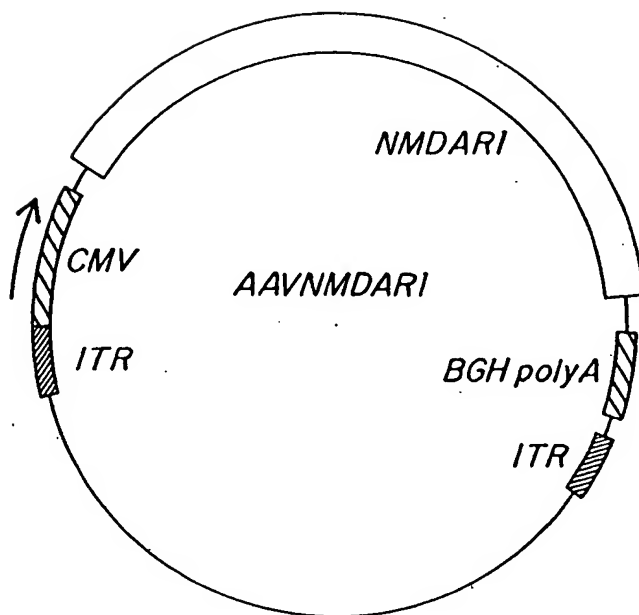


FIG. 1A

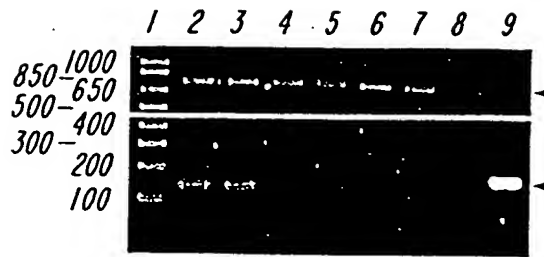


FIG. 1B

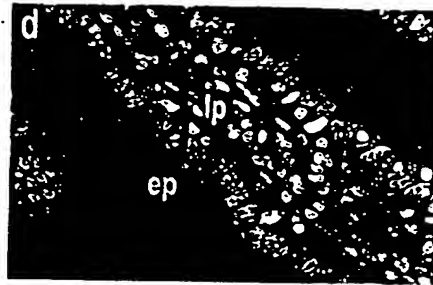
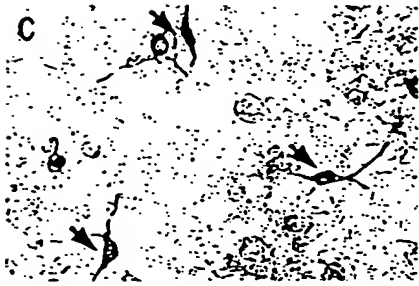


FIG. 1C

FIG. 1D

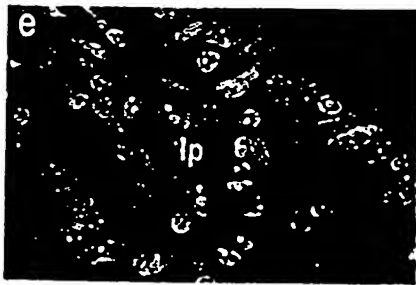


FIG. 1E

FIG. 1F

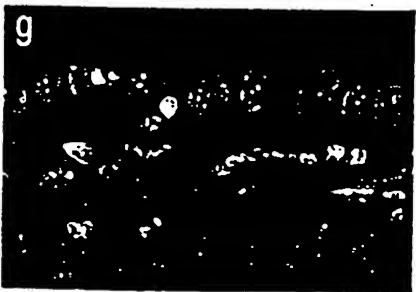


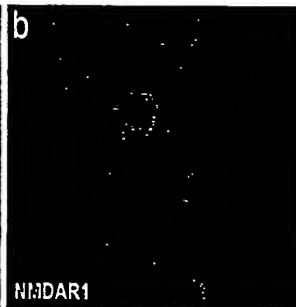
FIG. 1G

FIG. 1H

**FIG.
2A**



**FIG.
2B**



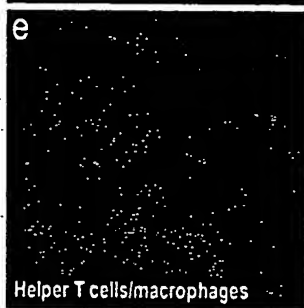
**FIG.
2C**



**FIG.
2D**



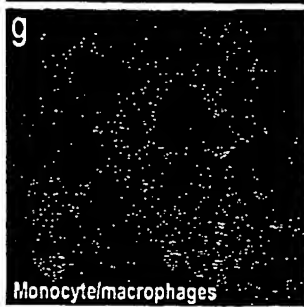
**FIG.
2E**



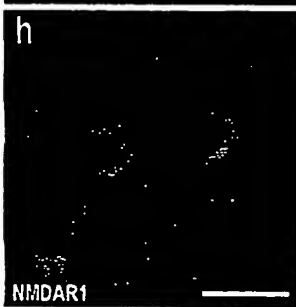
**FIG.
2F**



**FIG.
2G**



**FIG.
2H**



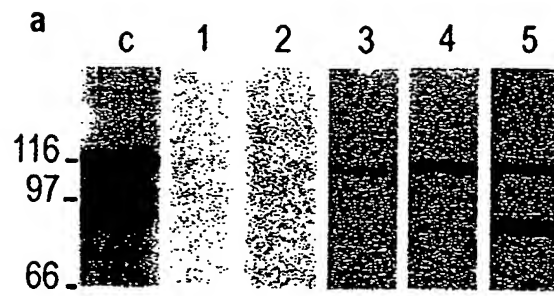


FIG. 3A

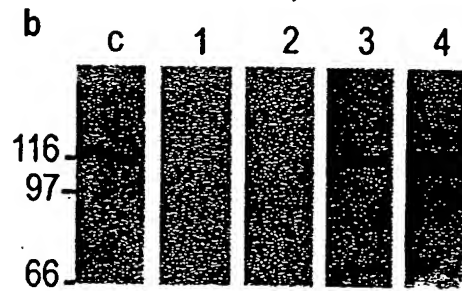


FIG. 3B

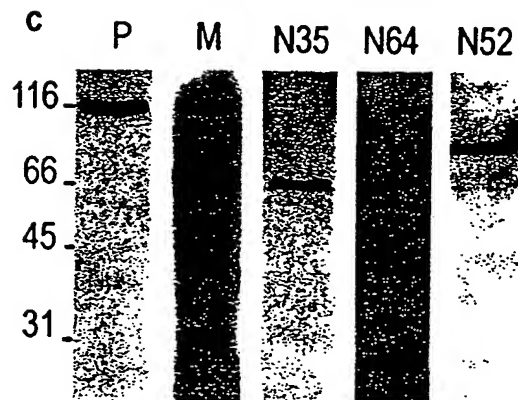
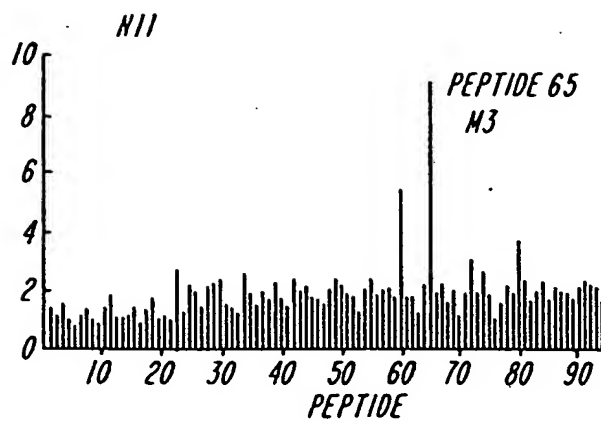
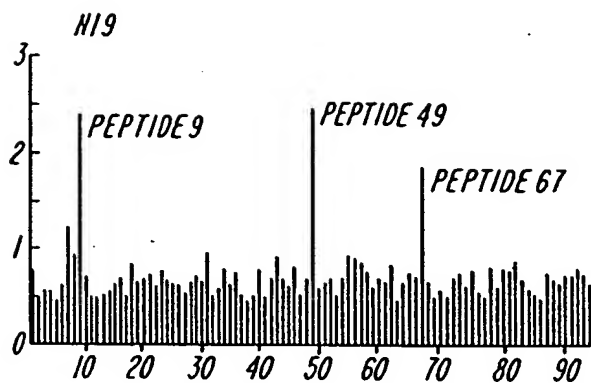
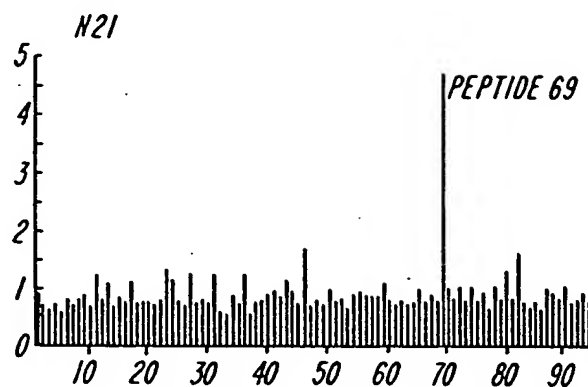
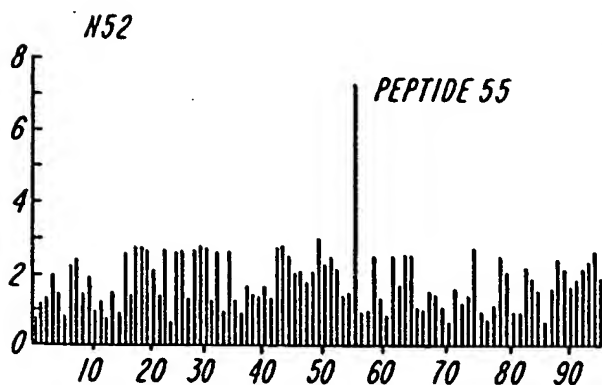
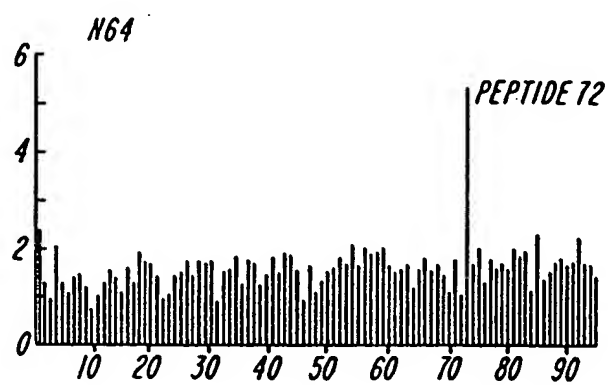


FIG. 3C

*FIG. 3D**FIG. 3E**FIG. 3F**FIG. 3G**FIG. 3H*

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a

AAVlac



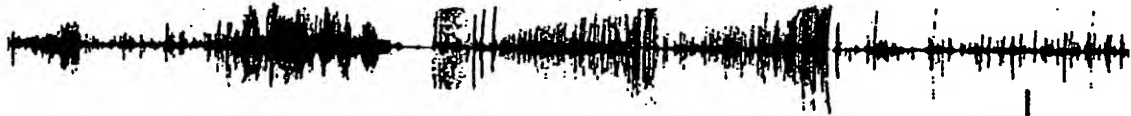
AAVNMDARI - no SE



AAVNMDARI-SE, hippocampal injury

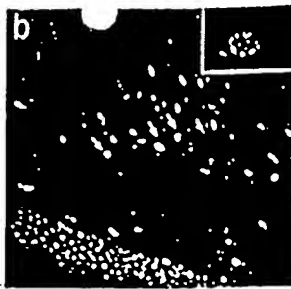
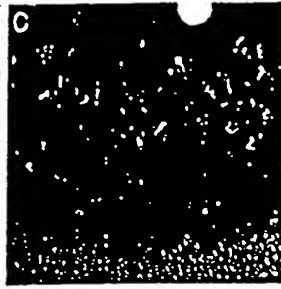
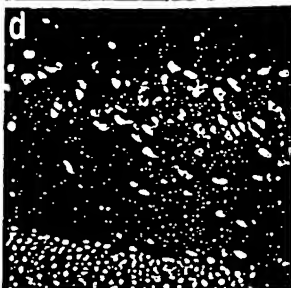
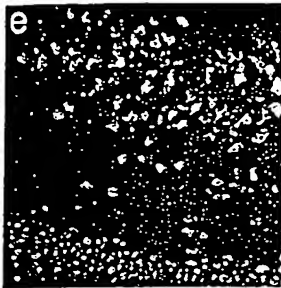
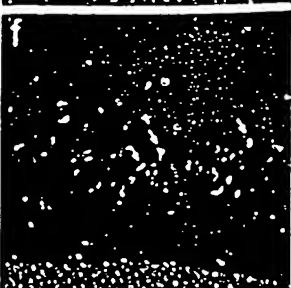
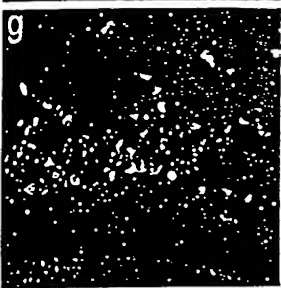
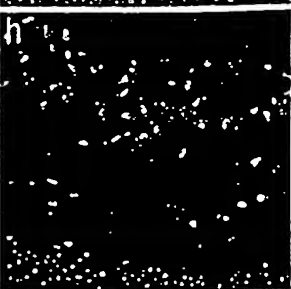
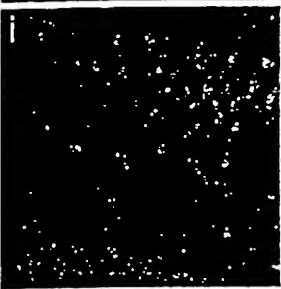
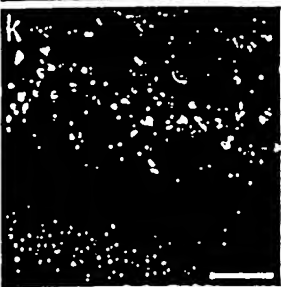


AAVNMDARI-SE, no hippocampal injury



1mV
1 min

FIG. 4A

FIG.
4B*FIG.*
4C*FIG.*
4D*FIG.*
4E*FIG.*
4F*FIG.*
4G*FIG.*
4H*FIG.*
4I*FIG.*
4J*FIG.*
4K

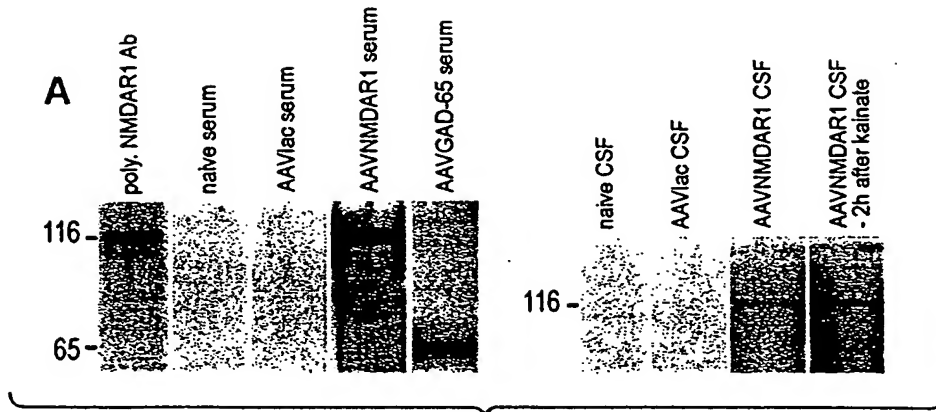


FIG. 5A

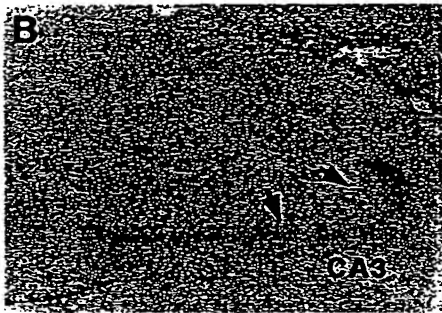


FIG. 5B

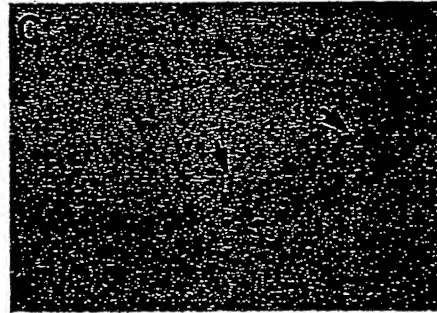


FIG. 5C

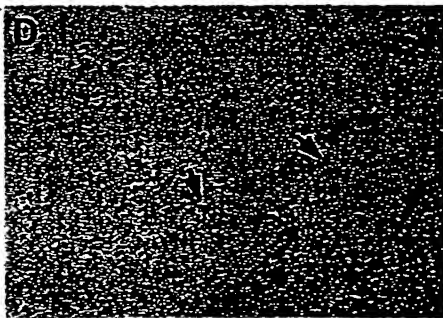


FIG. 5D

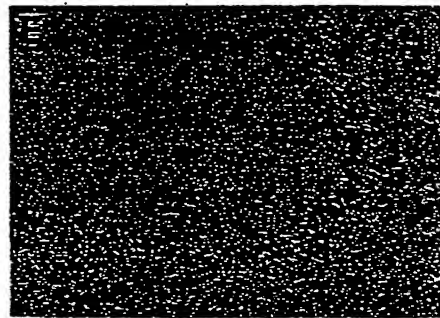


FIG. 5E

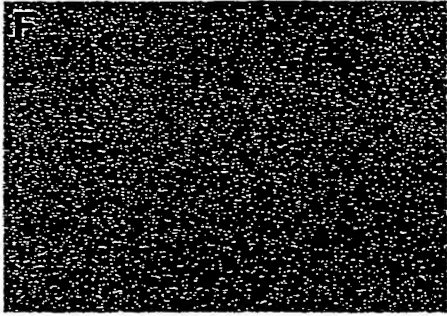


FIG. 5F

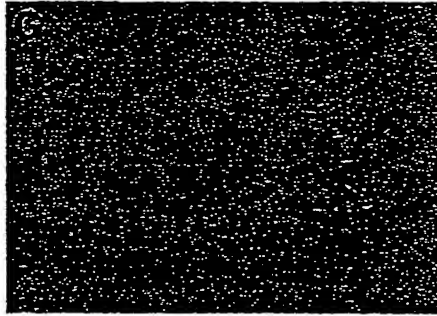


FIG. 5G

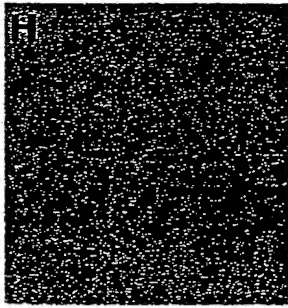


FIG.
5H

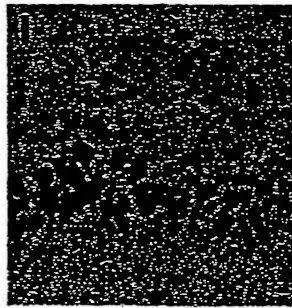


FIG.
5I

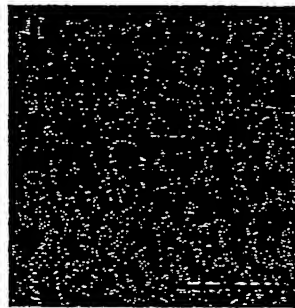


FIG.
5J

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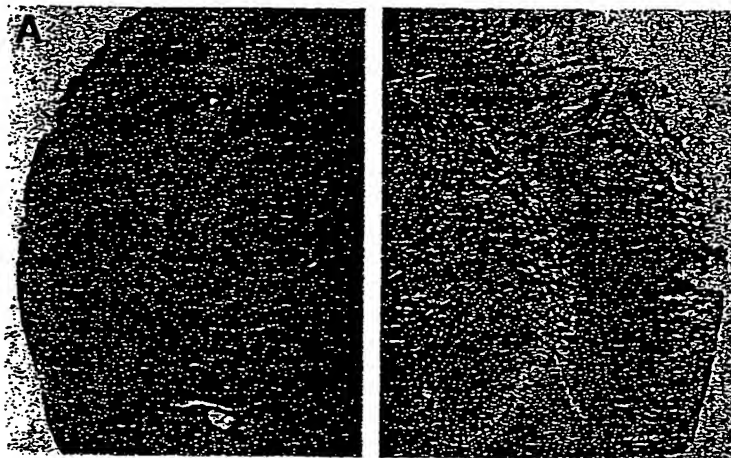


FIG. 6A FIG. 6B

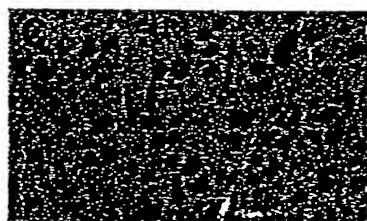


FIG. 6C



FIG. 6D

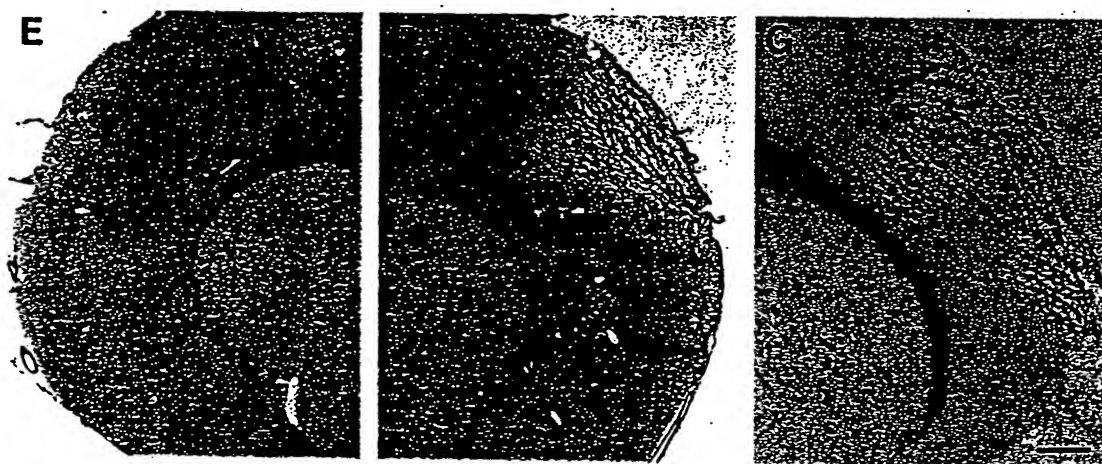
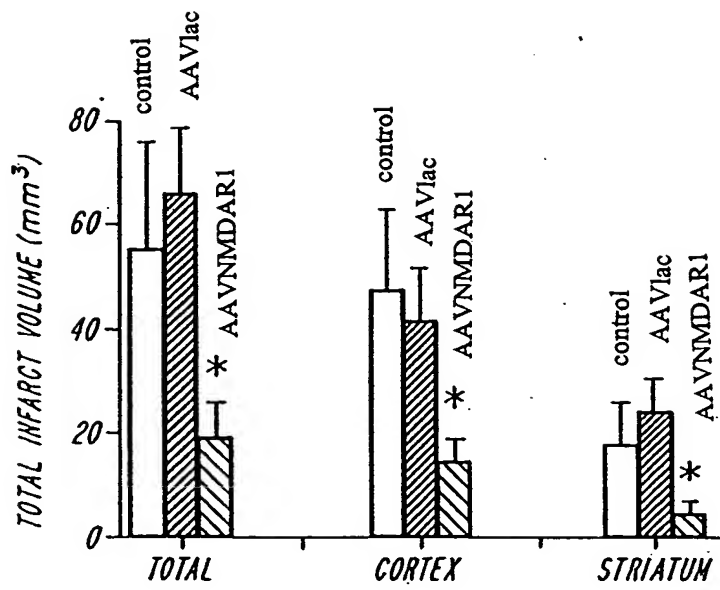


FIG. 6E FIG. 6F FIG. 6G

*FIG. 6H*

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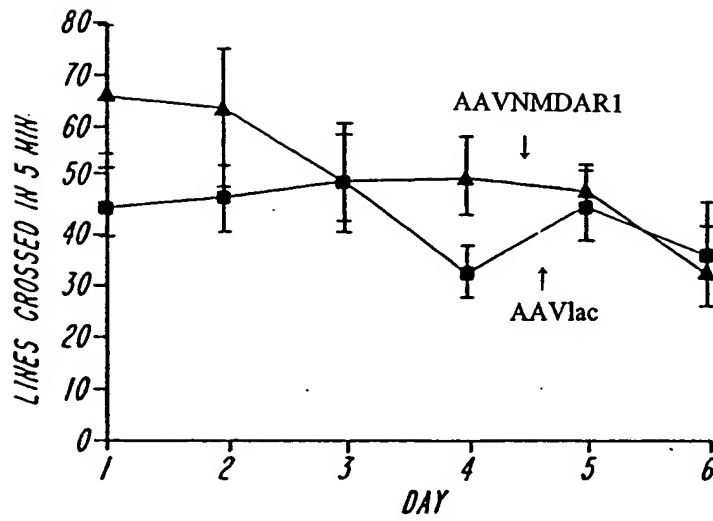


FIG. 7A

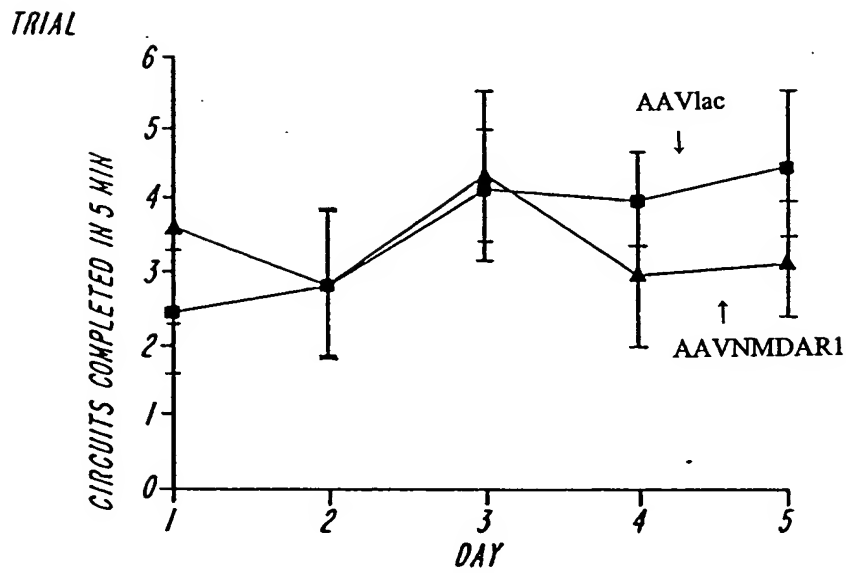


FIG. 7B



FIG.
8A



FIG.
8B

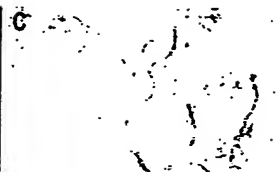


FIG.
8C



FIG.
8D



FIG.
8E

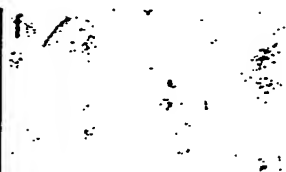


FIG.
8F



FIG.
8G



FIG.
8H



FIG.
8I

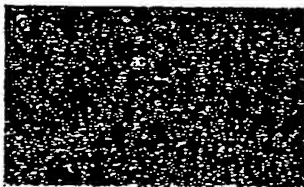


FIG.
8K



FIG.
8L

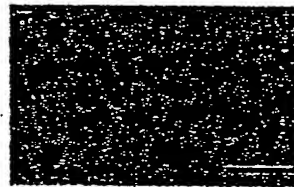
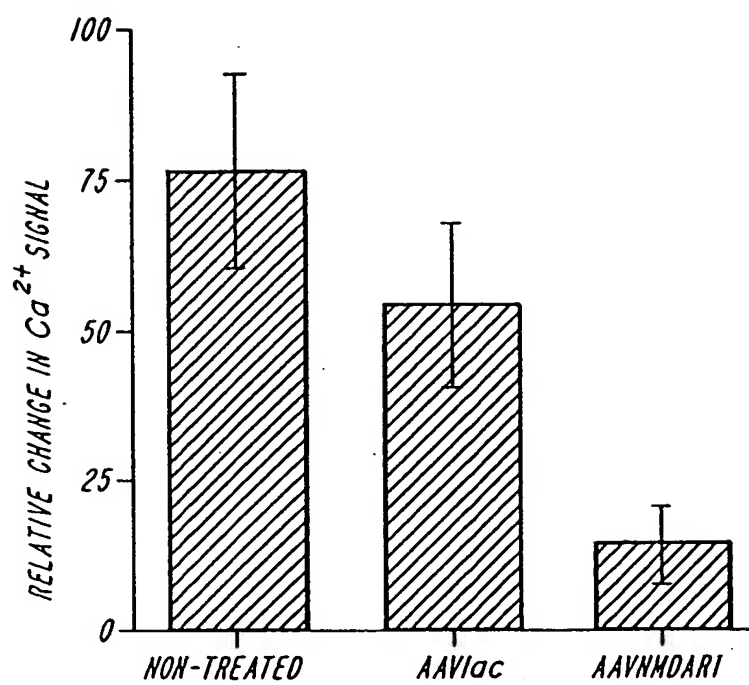
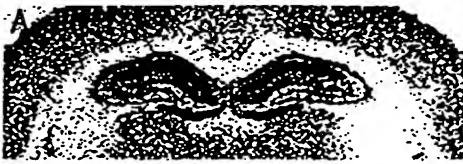
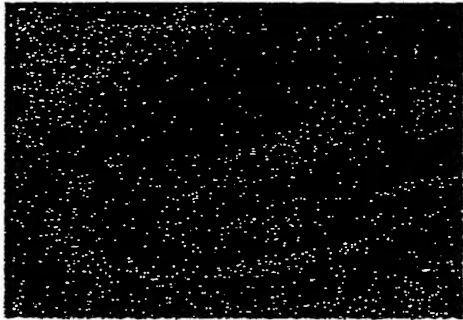
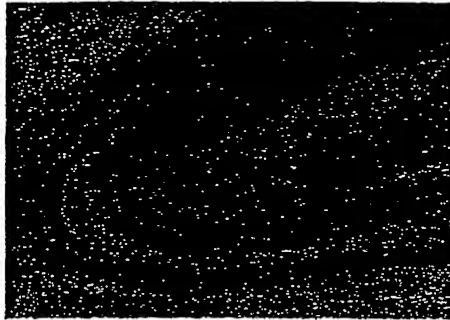
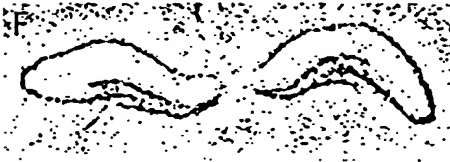


FIG.
8M

*FIG. 8J*

*FIG. 9A**FIG. 9B**FIG. 9C**FIG. 9D**FIG. 9E**FIG. 9F**FIG. 9G**FIG. 9H**FIG. 9I**FIG. 9J**FIG. 9K**FIG. 9L*

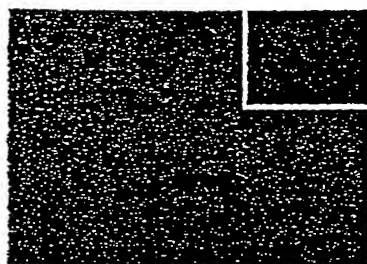


FIG.
10A

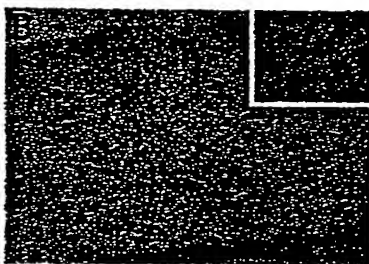


FIG.
10B

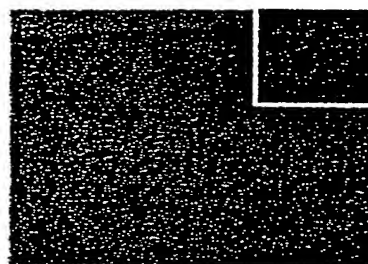


FIG.
10C

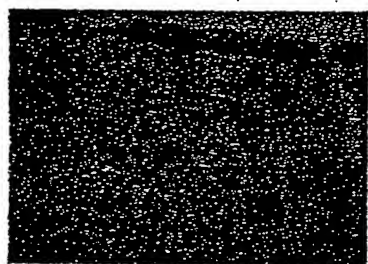


FIG.
10D

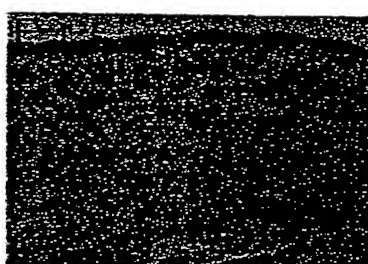


FIG.
10E

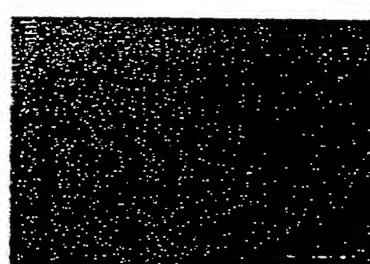


FIG.
10F

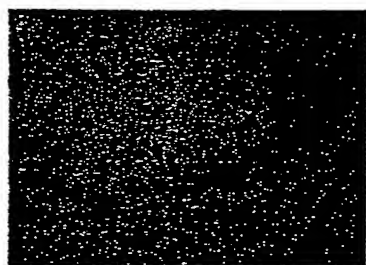


FIG.
10G

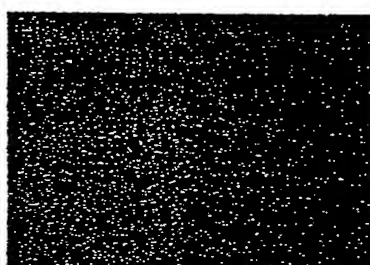


FIG.
10H

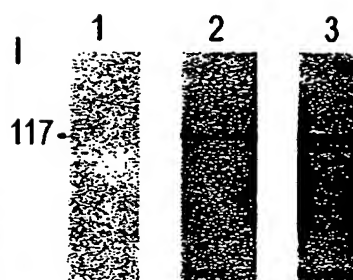


FIG.
10I

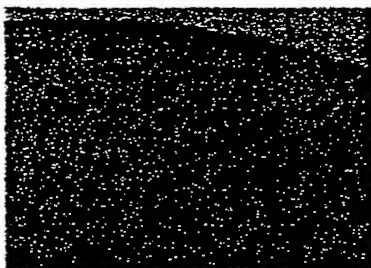


FIG.
11A

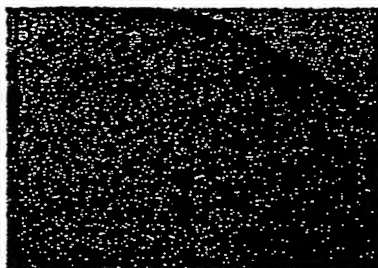


FIG.
11B

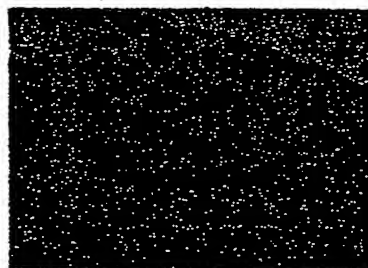


FIG.
11C

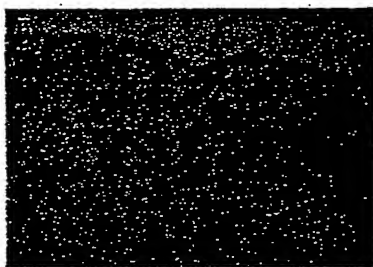


FIG.
11D

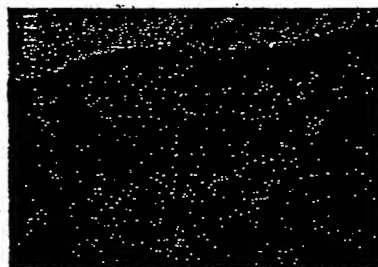


FIG.
11E



FIG.
11F

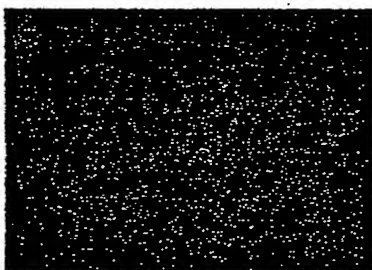


FIG.
11G

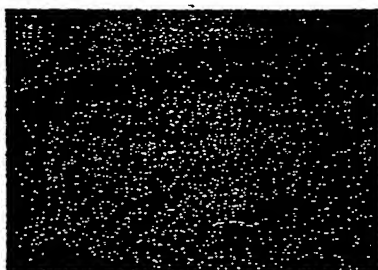


FIG.
11H

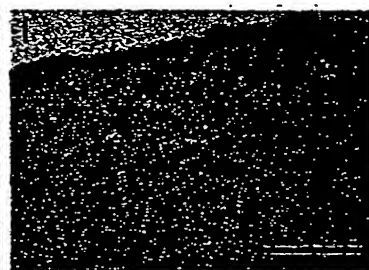


FIG.
11I

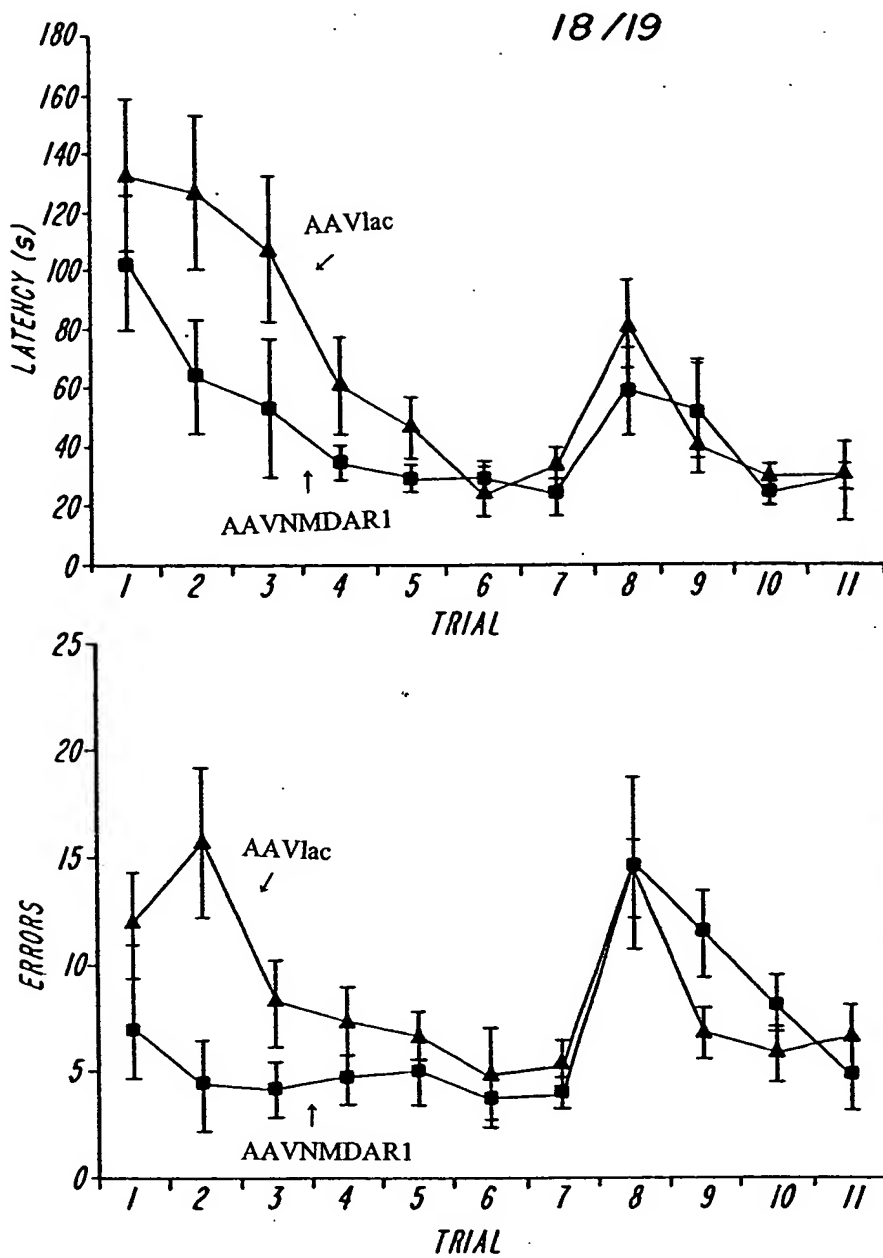


FIG. 12A

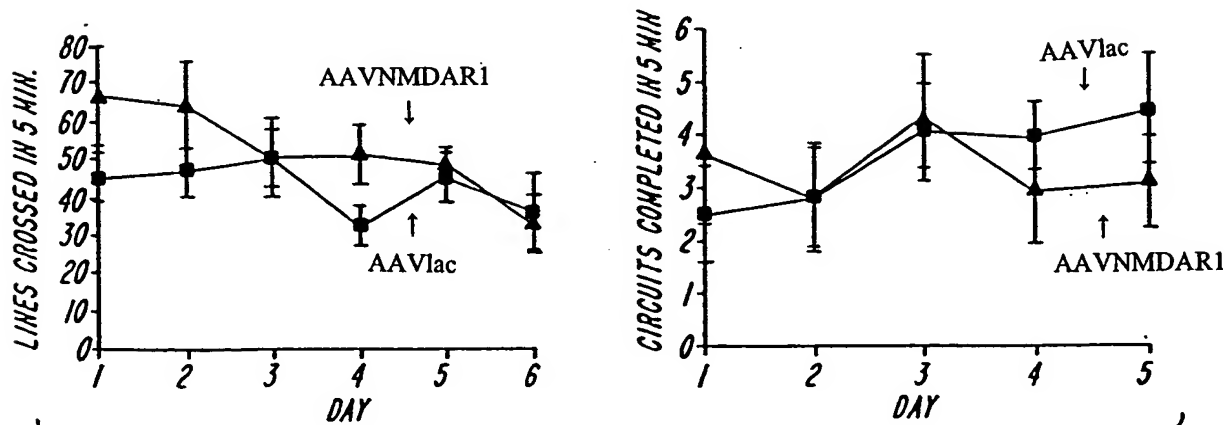


FIG. 12B

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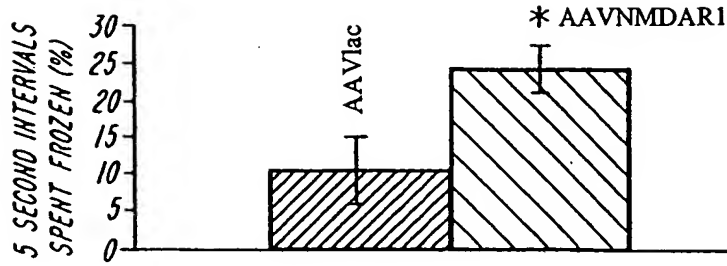


FIG. 12C

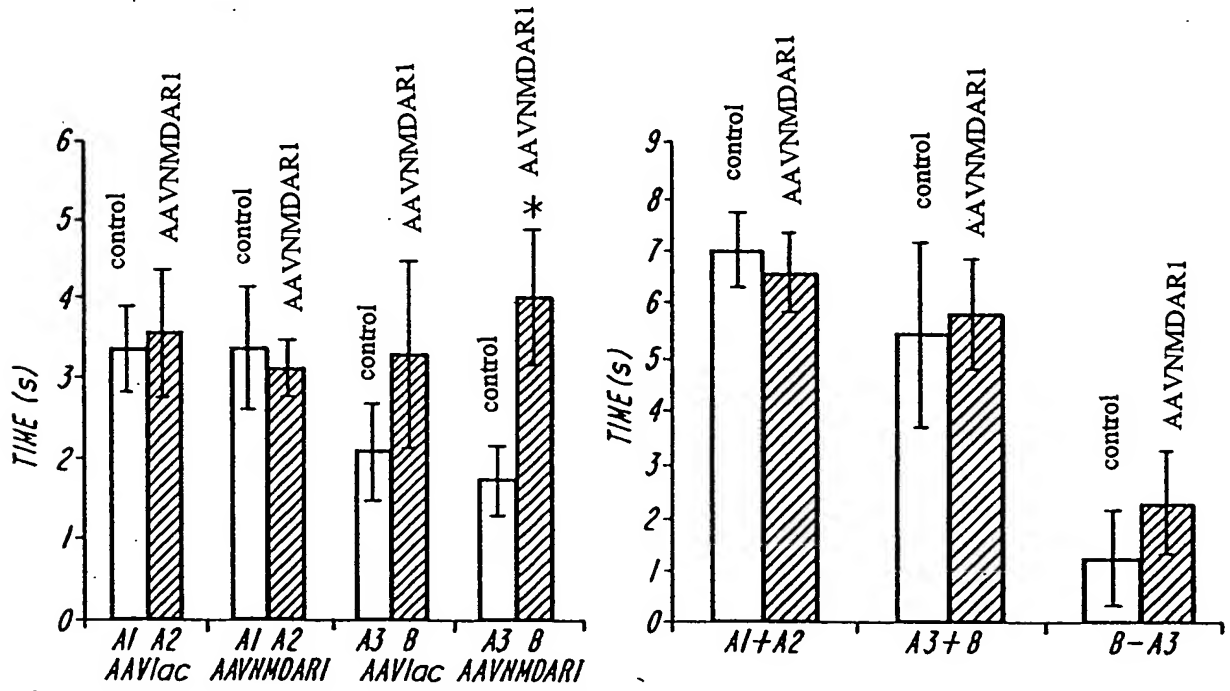


FIG. 12D

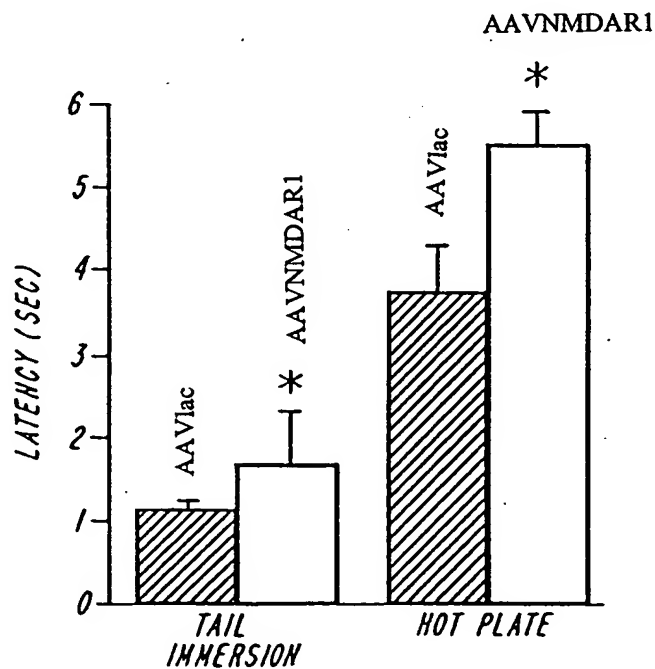


FIG. 13